

WHAT IS CLAIMED IS:

1. A mobile station for interchanging communication data via a communication channel with a base station controlling a service area in which said mobile station is located; said mobile station comprising:

a phase difference detecting circuit for detecting a difference between a transmission phase of a frame synchronizing signal received from a first base station currently holding a communication channel with said mobile station and a transmission phase of a frame synchronizing signal received from a second base station expected to newly set up a communication channel with said mobile station; and

a phase difference reporting circuit for reporting said difference to said first base station as phase difference information.

2. A mobile station in accordance with claim 1, further comprising a demodulating circuit for combining and demodulating a signal received from said first base station and a signal received from said second base station.

3. A mobile station in accordance with claim 1, further comprising:

a receipt condition measuring circuit for measuring receipt conditions of a signal received from each of a plurality of base stations including a base station currently holding a communication channel; and

a receipt condition reporting circuit for reporting said receipt conditions to said base station currently holding a communication channel with said mobile station as receipt condition information.